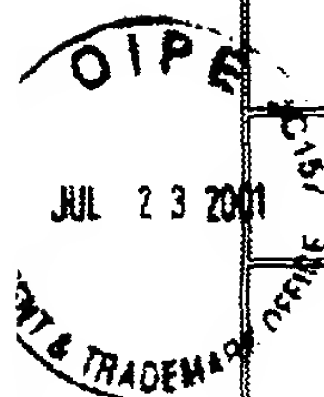


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FORM PTO-1449		DOCKET NUMBER		APPLICATION NUMBER		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		NPW 307		09/636.814		
		APPLICANTS DAVID J. EDLUND and THOMAS G. HERRON				
		FILING DATE August 10, 2000		GROUP ART UNIT 1764		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	RECEIVED SUB CLASS IF APPROP	
	5,861,137	1/19/1999	Edlund		III 25 2001	
	5,897,970	4/27/1999	Isomura et al.		TC 1700	
	5,997,594	12/7/1999	Edlund et al.			
	6,007,931	12/28/1999	Fuller et al.			
	6,042,956	3/28/2000	Lenel			
	6,077,620	6/20/2000	Pettit			
	6,083,637	7/4/2000	Walz et al.			
	6,190,623	2/20/2001	Sanger et al.			
	6,242,120	6/5/2001	Herron			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
	English abstract of Japanese Patent No. 828793, 1996. •					
	English abstract of Japanese Patent No. 6176779, 1994. •					
	English abstract of Great Britain Patent No. 2,305,186. •					
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INFORMATION DISCLOSURE CITATION IN AN APPLICATION		NPW 307		09/636.814		
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		FILING DATE August 10, 2000		GROUP ART UNIT 1764		
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	FILE DATE CLASS	
	4,880,040 •	11/14/1989	Pierson et al.			
	5,030,661 •	7/9/1991	Lywood			
	5,229,102 •	7/20/1993	Minet et al.			
	5,326,550 •	7/5/1994	Adris et al.			
	5,382,271 •	1/17/1995	Ng et al.			
	5,417,051 •	5/23/1995	Ankersmit et al.			
	5,458,857 •	10/17/1995	Collins et al.			
	5,637,259 •	6/10/1997	Galuszka et al.			
	5,639,431 •	6/17/1997	Shirasaki et al.			
	5,741,474 •	4/21/1998	Isomura et al.			
	5,741,605 •	4/21/1998	Gillett et al.			
	5,858,314 •	1/12/1999	Hsu et al.			
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	English abstract of Japanese Patent No. 634540. •					
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FORM PTO-1449

INFORMATION DISCLOSURE  
CITATION IN AN APPLICATION

DOCKET NUMBER

NPW 307

APPLICATION NUMBER

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APPLICANTS

DAVID J. EDLUND and THOMAS G. HERRON

FILING DATE

August 10, 2000

GROUP ART UNIT

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	RECEIVED JUL 25 2001 TC 1700
	3,094,391	6/18/1963	Mader			
	3,144,312	8/11/1964	Mertens			
	3,338,681	8/29/1967	Kordesch			
	3,450,500	6/17/1969	Setzer et al.			
	3,469,944	9/30/1969	Bocard et al.			
	3,524,819	8/18/1970	Guerrieri			
	3,668,235	6/6/1972	Ichikawa et al.			
	3,787,038	1/22/1974	Tesner et al.			
	4,098,959	7/4/1978	Fanciullo			
	4,098,960	7/4/1978	Gagnon			
	4,127,393	11/28/1978	Timmins et al.			
	4,195,653	4/1/1980	Cessou			
	4,238,403	12/9/1980	Pinto			
	4,302,177	11/24/1981	Fankhanel et al.			

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
WO 99/65097	12/1999	WIPO			X

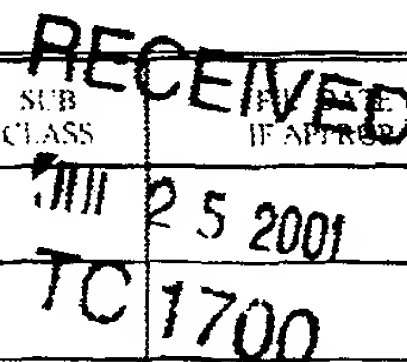
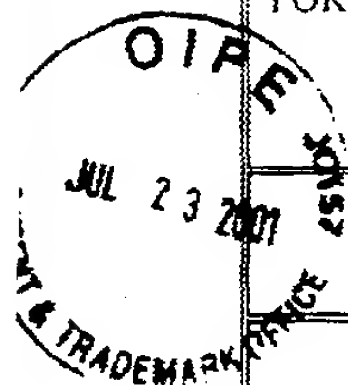
## OTHER DOCUMENTS

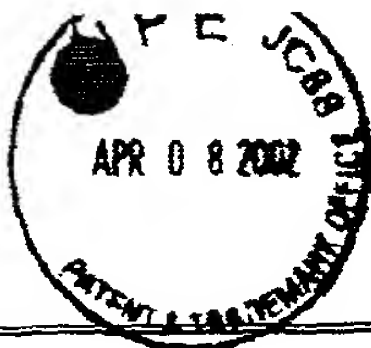
	English abstract of Japanese Patent No. 432150, 1992.
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	4,315,893	2/16/1982	McCallister		
	4,387,434	6/7/1983	Moncrief, Jr. et al.		
	4,400,182	8/23/1983	Davies et al.		
	4,430,304	2/7/1984	Spurrier et al.		
	4,466,253	8/21/1984	Jaster		
	4,472,176	9/18/1984	Rubin		
	4,504,447	3/12/1985	Spurrier et al.		
	4,670,359	6/2/1987	Beshty et al.		
	4,684,581	8/4/1987	Struthers		
	4,713,234	12/15/1987	Weirich et al.		
	4,838,897	6/13/1989	Amano et al.		
	4,849,187	7/18/1989	Uozu et al.		
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	English abstract of Japanese Patent No. 514790, 1993.				
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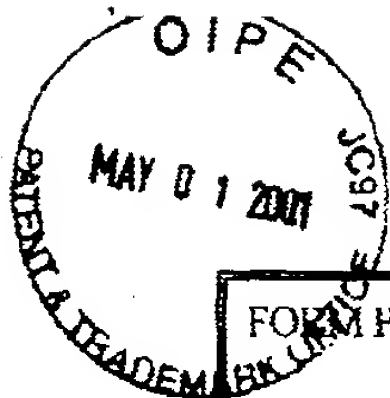




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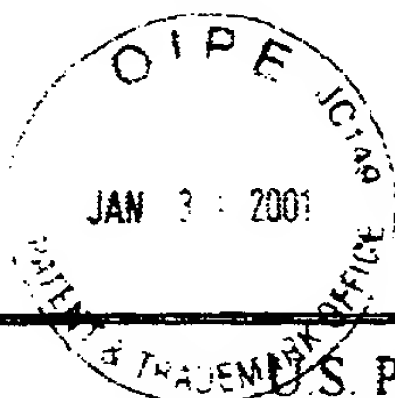
FORM PTO-1449		DOCKET NUMBER		APPLICATION NUMBER		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		NPW 307		09/636.814		
		APPLICANTS DAVID J. EDLUND and THOMAS G. HERRON				
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILE DATE IF APPROP.
	4,729,931 *	3/8/1988	Grimble			
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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
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		APPLICANTS DAVID J. EDLUND and THOMAS G. HERRON				
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL DATE IF APPROP
	3,982,910	9/28/1976	Houseman et al.			
	6,045,772	4/4/2000	Szydlowski et al.			
	6,221,117 B1	4/24/2001	Edlund et al.			
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FORM PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION	DOCKET NUMBER	APPLICATION NUMBER
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	APPLICANTS DAVID J. EDLUND and THOMAS G. HERRON	
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	6,103,411	08/15/00	Matsubayashi et al.			
	5,985,474	11/16/99	Chen et al.			
	5,897,766	04/27/99	Kawatsu			
	5,677,073	10/14/97	Kawatsu			
	5,616,430	04/01/97	Aoyama			
	5,527,632	06/18/96	Gardner			
	5,399,323	03/21/95	Paisley et al.			
	4,657,828	04/14/87	Tajima			
	4,567,857	02/04/86	Houseman et al.			
	4,003,343	01/18/77	Lee			
	3,920,416	11/18/75	Houseman			

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## OTHER DOCUMENTS

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09/636814

08/10/00

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	3.350.176	10/31/67	Green et al.			
	3.782.904	1/1/74	Fletcher			
	3.955.941	5/11/76	Houseman et al.			
	4.533.607	8/6/85	Serderquist			
	4.788.004	11/29/88	Pinto et al.			
	4.981.676	1/1/91	Minet et al.			
	5.354.547	10/11/94	Rao et al.			
	5.401.589	3/28/95	Palmer et al.			
	5.658.681	8/19/97	Sato et al.			
	5.888.273	3/30/99	Buxbaum			

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WO 97/25649 *	7/1997	WIPO			X	

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	Amphlett, J. C., et al., "On Board Hydrogen Purification for Steam Reformer/PEM Fuel Cell Vehicle Power Plants." Energy Progress X. Proceedings of the 10 <sup>th</sup> World Hydrogen Energy Conference. Cocoa Beach, Florida. U.S.A., Vol. 3, pp. 1681-90 (June, 1994). •
	Edlund, David J. and William A. Pledger, "The Practical Use of Metal-Membrane Reactors for Industrial Applications." The 1995 Membrane Technology Reviews, pp. 89-97 (November, 1994). •
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FORM PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION	DOCKET NUMBER	APPLICATION NUMBER
	NPW 307	
	APPLICANTS DAVID J. EDLUND and THOMAS G. HERRON	
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP
	5.932.181	8/3/99	Kim et al.			
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		Oertel, Michael, et al., "Steam Reforming of Natural Gas with Integrated Hydrogen Separation for Hydrogen Production," Chemical Engineering Technology, Vol. 10, pp. 248-55 (1987). •
		Piwetz et al., "Hydrodesulfurization and Prereforming of Logistic Fuels for Use in Fuel Cell Applications," presented at the 1996 Fuel Cell Seminar held Nov. 17-20, 1996 in Orlando, Florida, pp. 780-783. •

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